

## Product Datasheet

# Anti-Retinoid X Receptor, $\beta$ -Isotype

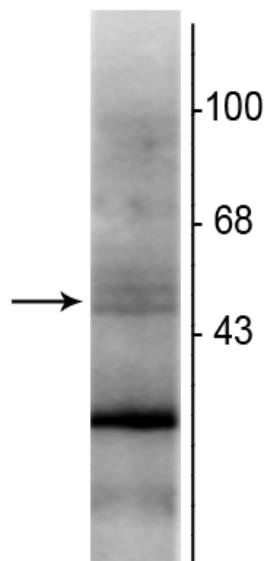
### Overview

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<b>Catalog #</b>	1320-RXRB
<b>Host Species</b>	Mouse Monoclonal
<b>Isotype</b>	IgG <sub>1</sub>
<b>Clone</b>	147
<b>Format</b>	Protein G Purified
<b>Applications</b>	WB 1:1000
<b>Species Tested</b>	Mouse, Rat
<b>Immunogen</b>	Synthetic peptide corresponding to amino acid residues from the mouse retinoid X receptor, $\beta$ -isotype, conjugated to keyhole limpet hemocyanin (KLH).
<b>Molecular Weight</b>	48 kDa
<b>Cite this Antibody</b>	PhosphoSolutions Cat# 1320-RXRB, RRID:AB_2492230

### Images

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Western blot of rat hippocampal lysate showing specific immunolabeling of the ~48 kDa RXR- $\beta$  protein.

## Details

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<b>Target Description</b>	Retinoic acid (RA; active metabolite of vitamin A) plays a prominent role in regulating the transition of proliferating precursor cells (such as carcinoma cells and neuronal precursors) to postmitotic differentiated cells (Joshi et al., 2005). The retinoid X receptors (RXRs) family (RXR $\alpha$ , $\beta$ and $\gamma$ ), preferentially bind 9-cis-RA and regulate gene transcription by forming heterodimers with a second family of RA receptors. RAs have been suggested to potentially play a therapeutic role in cervical cancer (Abu et al., 2005). RAs are known to play key roles in neuronal development and an increasing body of evidence indicates that retinoid signaling may regulate synaptic plasticity and associated learning and memory behaviors (Lane and Bailey, 2005).
<b>Specificity</b>	Specific for endogenous levels of the ~48 kDa RXR-beta protein.
<b>Production/Purification</b>	Prepared from tissue culture supernatant by ammonium sulfate precipitation followed by purification on a Protein G column.
<b>Quality Control</b>	Western blots performed on each lot.
<b>Buffer</b>	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g per ml BSA and 50% glycerol.
<b>Storage</b>	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol.
<b>Stability</b>	After date of receipt, stable for at least 1 year at -20°C.

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